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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)			
PCT 21161Y International application No.	International filing date (day/mor	nth/year) Priority date (day/month/year)			
PCT/US03/28363	10 September 2003 (10.09.2003)				
International Patent Classification (IPC)					
IPC(7): C07D 241/36; A61K 31/498 and	1 IIS CL · 544/349· 514/249				
Applicant	3 OJ C 3 T 11 3 13 , 5 1 11 2 13				
MERCK & CO., INC.					
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.					
2. This REPORT consists of	2. This REPORT consists of a total of sheets, including this cover sheet.				
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
These annexes consist of	These annexes consist of a total of sheets.				
3. This report contains indic	3. This report contains indications relating to the following items:				
I Basis of the rep	I Basis of the report				
II Priority	II Priority				
=	III Non-establishment of report with regard to novelty, inventive step and industrial applicability				
IV Lack of unity of	of invention				
	V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
· — -					
VII Certain defects	VII Certain defects in the international application				
VIII Certain observ	VIII Certain observations on the international application				
Date of submission of the demand		Date of completion of this report			
08 April 2004 (08.04.2004)		31 August 2004 (31.08.2004)			
Name and mailing address of the IPEA	/US Auti	Authorized officer Baw con fr			
Mail Stop PCT, Attn: IPEA/ US Commissioner for Patents	Dec	epak R. Rao			
P.O. Box 1450 Alexandria, Virginia 22313-1450	Tale	ephone No. (571) 272-1600			
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Form PCT/IPEA/409 (cover sheet)(July 1998)

' INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International attion No.
PCT/US03/28363

I.	Basi	s of the report			
1.	With regard to the elements of the international application:*				
	\boxtimes	the international application as originally filed.			
	\boxtimes	the description:			
		pages 1-64 as originally filed			
		pages NONE , filed with the demand			
		pages NONE , filed with the letter of			
	\boxtimes	the claims:			
		pages 65-84 , as originally filed			
		pages NONE, as amended (together with any statement) under Article 19			
		pages NONE , filed with the demand			
		pages NONE, filed with the letter of			
	\bowtie	the drawings:			
		pages NONE , as originally filed			
		pages NONE , filed with the demand			
		pages NONE, filed with the letter of			
		the sequence listing part of the description:			
		pages NONE , as originally filed			
		pages NONE , filed with the demand			
		pages NONE, filed with the letter of			
2.	lang	h regard to the language, all the elements marked above were available or furnished to this Authority in the uage in which the international application was filed, unless otherwise indicated under this item. se elements were available or furnished to this Authority in the following language which is:			
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).			
		the language of publication of the international application (under Rule 48.3(b)).			
		the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).			
3.		h regard to any nucleotide and/or amino acid sequence disclosed in the international application, the mational preliminary examination was carried out on the basis of the sequence listing:			
		contained in the international application in printed form.			
		filed together with the international application in computer readable form.			
		furnished subsequently to this Authority in written form.			
		furnished subsequently to this Authority in computer readable form.			
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in international application as filed has been furnished.				
		The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.			
4.		The amendments have resulted in the cancellation of:			
		the description, pages <u>NONE</u>			
		the claims, Nos. NONE			
		the drawings, sheets/fig NONE			
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**			
th	* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.				
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tion No. International ag PCT/US03/283

v.	V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1.	STATEMENT				
	Novelty (N)	Claims	1-22	YES	
		Claims	NONE	NO	
	Inventive Step (IS)	Claims	1-22	YES	
		Claims	NONE	NO	
	Industrial Applicability (IA)	Claims	1-22	YES	
		Claims	NONE	NO	

2. CITATIONS AND EXPLANATIONS

Claims 1-22 meet the criteria of novelty and inventive step set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the instantly claimed compounds. The closest prior art, US 5,821,241 does not teach or fairly suggest the instantly claimed compounds.

Claims 1-22 meet the criteria set out in PCT Article 33(4) because they are disclosed to be useful as pharmaceutical therapeutic agents, and thus have industrial applicability because the subject matter claimed can be made or used in industry.

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